

FUEL CELL SYSTEM USING EMULSIFIED FUEL (LAW748)

ABSTRACT OF THE DISCLOSURE

The present invention includes a fuel cell system and a method to operate a fuel cell. The fuel cell system includes a source of a fuel and water emulsion, receiving the emulsion and a reformer for receiving the emulsion and producing hydrogen, a hydrogen-oxygen fuel cell connected to the reformer and able to receive hydrogen from the reformer. The method for operating a fuel cell system including a hydrogen gas oxygen fuel cell includes producing the hydrogen gas from a fuel and water emulsion.

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